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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A method of making a cathode for a primary lithium battery comprising:

pulling an expanded metal grid including aluminum and having an initial tensile strength; the expanded metal grid having a long dimension and a short dimension and having and an array of diamond-shaped openings, each opening having a long dimension and a short dimension, and each opening defined by four elongated boundary elements, each boundary element having a length and the pulling being along a direction other than along the length of any of the elements, the pulling increasing the short dimension of the openings and increasing the tensile strength to greater than 5 lb/in; and

eoating applying, to the expanded metal grid, with a composition including a cathode active material.

- 2. (Original) The method of claim 1, wherein the composition is a slurry.
- (Original) The method of claim 1, wherein the cathode active material includes a manganese dioxide, a CF_{x1} iron disulfide, or a vanadate.
 - 4. (Original) The method of claim 1, wherein the composition includes a carbon source.
- (Original) The method of claim 4, wherein the carbon source includes a carbon fiber, a graphite, an acetylenic carbon, or a combination thereof.
 - 6. (Original) The method of claim 1, wherein the composition includes a binder.

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7. (Original) The method of claim 6, wherein the binder includes an organic polymer.

8. (Original) The method of claim 1, wherein the grid includes a 1000 series aluminum, a 2000 series aluminum alloy, a 3000 series aluminum alloy, a 5000 series aluminum alloy, a 6000 series aluminum alloy, or a 7000 series aluminum alloy.

- (Original) The method of claim 1, wherein the grid includes a 6000 series aluminum alloy.
- (Original) The method of claim 1, wherein the grid includes an aluminum alloy including 0-0.4% by weight of chromium.
- (Original) The method of claim 1, wherein the grid includes an aluminum alloy including 0.01-6.8% by weight of copper.
- (Original) The method of claim 1, wherein the grid includes an aluminum alloy including 0.05-1.3% by weight of iron.
- (Original) The method of claim 1, wherein the grid includes an aluminum alloy including 0.1-7% by weight of magnesium.
- 14. (Original) The method of claim 1, wherein the grid includes an aluminum alloy including 0-2% by weight of manganese.
- 15. (Original) The method of claim 1, wherein the grid includes an aluminum alloy including 0-2% by weight of silicon.
- 16. (Original) The method of claim 1, wherein the grid includes an aluminum alloy including less than 0.25% by weight of titanium.

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17. (Previously presented) The method of claim 1, wherein the grid includes an aluminum alloy including 0-8.2% by weight of zinc.

- 18. (Original) The method of claim 1, wherein the grid includes an aluminum alloy including 0-2.3% by weight of nickel.
- 19. (Original) The method of claim 1, wherein the grid has a resistivity of less than 100 m Ω /cm.
- 20. (Original) The method of claim 1, wherein the grid has a resistivity of less than 10 m Ω /cm.
 - 21. (Cancelled)
- 22. (Previously presented) The method of claim 1, further comprising leveling the grid before coating by passing the grid between rollers.
 - 23. (Original) The method of claim 1, further comprising drying the grid after coating.
- (Original) The method of claim 23, further comprising calendering the grid after drying.
- 25. (Previously presented) The method of claim 24, wherein calendering includes passing the grid through a gap having a thickness of less than 25 mils.
 - 26. (Cancelled)
- (Currently Amended) The method of claim [[26]] <u>25</u>, further comprising heat treating the grid after calendering.

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28. (Original) The method of claim 27, further comprising drying the grid under vacuum after heat treating.

- 29. (Original) The method of claim 9, wherein the composition is a slurry.
- (Original) The method of claim 9, wherein the cathode active material includes a manganese dioxide, a CF_x, iron disulfide, or a vanadate.
- 31. (Original) The method of claim 9, wherein the composition includes a carbon source.
- 32. (Original) The method of claim 31, wherein the carbon source includes a carbon fiber, a graphite, an acetylenic carbon, or a combination thereof.
 - 33. (Original) The method of claim 9, wherein the composition includes a binder.
 - 34. (Original) The method of claim 31, wherein the binder includes an organic polymer.
 - 35. (Cancelled)
- 36. (Currently amended) The method of claim 9, further comprising leveling the grid before coating <u>by passing the grid between rollers</u>.
 - 37. (Original) The method of claim 9, further comprising drying the grid after coating.
- $38. \; (Original) \; The method of claim 37, further comprising calendering the grid after drying.$

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39. (Previously presented) The method of claim 38, wherein calendering includes passing the grid through a gap having a thickness of less than 25 mils.

40. (Cancelled)

41. (Currently amended) A method of making a cathode for a battery comprising: pulling an expanded metal grid including aluminum and having an initial tensile strength; the expanded metal grid having a long dimension and a short dimension and having an array of diamond-shaped openings, each opening having a long dimension and a short dimension, and each opening defined by four elongated boundary elements, each boundary element having a length and the pulling being along a direction other than along the length of any of the elements, the pulling increasing the short dimension of the openings and increasing the tensile strength to greater than 5 lb/in;

eoating applying, to the expanded metal grid, with a composition including a carbon source, a binder, and a cathode active material, wherein the cathode active material includes a manganese dioxide;

calendering the grid after coating; and heat treating the grid after calendering.

- (Original) The method of claim 41, wherein calendering includes passing the grid through a gap.
- 43. (Original) The method of claim 42, wherein the gap has a thickness of less than 25 mils.
- 44. (Original) The method of claim 43, further comprising drying the grid after coating and before calendering.
- 45. (Original) The method of claim 41, further comprising sizing the grid after calendering.

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46. (Original) The method of claim 41, further comprising edge-cleaning the grid after calendering.

- (Original) The method of claim 41, further comprising drying the grid under vacuum after heat treating.
- 48. (Original) The method of claim 41, wherein the aluminum alloy is a 2000 series aluminum alloy, a 3000 series aluminum alloy, a 5000 series aluminum alloy, a 6000 series aluminum alloy, or a 7000 series aluminum alloy.
- 49. (Original) The method of claim 41, wherein the aluminum alloy is a 6000 series aluminum alloy.
- 50. (Original) The method of claim 41, wherein the aluminum alloy including 0-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.05-1.3% by weight of iron, 0.1-7% by weight of magnesium, 0-2% by weight of manganese, 0-2% by weight of silicon, less than 0.25% by weight of titanium, 0-2.3% by weight of nickel, and 0-8.2% by weight of zinc.
 - 51. (Cancelled)
 - 52. (Original) The method of claim 41, wherein the binder includes an organic polymer.
- 53. (Original) The method of claim 52, wherein the binder includes poly(tetrafluoroethylene), poly(vinylalcohol), or a combination thereof.
- 54. (Original) The method of claim 41, wherein the carbon source includes a carbon fiber, a graphite, an acetylenic carbon, or a combination thereof.

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55. (Original) The method of claim 41, wherein the grid has a resistivity of less than 100 m Ω /cm.

- 56. (Original) The method of claim 41, wherein the grid has a resistivity of less than 10 m Ω /cm
- 57. (Currently amended) A method of making a cathode for a battery comprising: pulling an expanded metal grid including aluminum and https://maxing.an.initial.ensile.strength, the expanded metal grid having a long dimension and a short dimension and having an array of diamond-shaped openings, each opening having a long dimension and a short dimension, and each opening defined by four elongated boundary elements, each boundary element having a length and the pulling being along a direction other than along the length of any of the elements, the pulling increasing the short dimension of the openings and increasing the tensile strength to greater than 5 lb/in;

eoating applying, to the expanded metal grid, with a composition including a carbon source, a binder, and a cathode active material, wherein the cathode active material includes a manganese dioxide;

drying the grid after coating;
calendering the grid to a thickness of less than 20 mils after drying;
sizing the grid after calendering;
edge-cleaning the grid after sizing;
heat treating the grid after edge-cleaning; and
drying the grid under vacuum after heat treating the grid.

- 58. (Previously presented) The method of claim 1, wherein the long dimension and the short dimension have a ratio of from about 51:100 to about 72:80.
- 59. (Currently amended) The method of claim 1, wherein the coating the expanded metal grid comprises immersing the metal grid in the composition including the cathode active material.

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60. (Previously presented) The method of claim 1, further comprising removing an excess composition by passing the coated metal grid between blades held at a fixed gap.

61. (New) A method of making an electrode for a lithium battery comprising:

pulling an expanded metal grid including aluminum, and having an initial tensile strength
and an array of diamond-shaped openings, each opening defined by four elongated boundary
elements, each boundary element having a length, the pulling being along a direction other than
along the length of any of the elements, the pulling increasing a dimension of each opening and
increasing the tensile strength to greater than 5 lb/in; and

applying, to the expanded metal grid, a composition including a electrode active material.

62. (New) A method of making a cathode for a primary lithium battery comprising: pulling an expanded metal grid including aluminum, and having an initial tensile strength and an array of diamond-shaped openings, each opening having four angles, the pulling changing at least one of the angles and increasing the tensile strength to greater than 5 lb/in; and applying, to the expanded metal grid, a composition including a cathode active material.

- 63. (New) The method of claim 62, wherein each opening has a long dimension defined by two opposing angles, and a short dimension defined by two remaining opposing angles.
- 64. (New) The method of claim 63, wherein each opening has four clongated elements, each boundary element having a length, the pulling being along a direction other than along the length of any of the elements, the pulling increasing the short dimension of the openings.